Within-CPU vs Overall Variability (by Workload) — 512 MB

Workload	AWS						AZURE				GCP						ALIBABA				
	Intel Xeon 2.50GHz	AMD EPYC 2.25GHz	Intel Xeon 2.90GHz	Intel Xeon 3.00GHz	AMD EPYC 2.65GHz	Overall	AMD EPYC 9V74	Intel Xeon 8370C	AMD EPYC 7763	Overall	Model 17 (AMD)	Model 143 (Intel)	Model 85 (Intel)	Model 1 (AMD)	Model 106 (Intel)	Overall	Intel Xeon 2.50GHz	Intel Xeon 8269CY 3.10GHz	Intel Xeon 2.90GHz	Intel Xeon 8269CY 2.50GHz	Overall
MatMul	5.2	5.7	5.9	4.7	5.9	18.7	43.8	42.5	41.9	46.5	8.3	18.4	20.6	19.8	16.6	24.2	22.5	28.2	23.9	30.6	30.2
SHA-256	1.5	3.2	1.6	0.7	2.2	10.5	37.6	35.5	36.9	41.2	6.5	9.5	14.0	6.4	5.7	68.9	7.7	22.3	7.0		20.8
AES-CTR	7.9	11.1	9.3	7.2	10.7	14.8	45.5	40.0	43.4	49.6	16.1	11.0	6.8	7.0	6.4	21.9	14.1	42.0	13.2		23.1
Gzip	2.2	4.2	1.8	1.6	3.4	3.3	44.1	43.5	43.1	44.8	5.9	9.7	7.8	5.8	7.4	23.2	8.1	25.7	6.5		13.6
JSON	2.5	4.4	2.5	1.9	3.1	4.8	43.5	42.0	40.3	44.9	7.3	10.1	8.0	6.1	8.0	14.2	11.8	25.6	9.7	22.8	16.9